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PATENT

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August 9, 2006Elaine K. Mistretta

Elaine K. Mistretta

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

U.S. Appln. No. 10/824,032
(Attorney's Docket No. GP-303446)

Filed: April 14, 2004
Confirmation No. 6024

Chunxin Ji et al.

Art Unit: 1753

PREPARATION OF PATTERNED
DIFFUSION MEDIA

Examiner: Unknown

**REQUEST/PETITION ACCOMPANYING
SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Applicant(s) requests (petitions) the Examiner to consider and make of record the reference(s) and/or information on attached PTO 1449.

CHECK ONE: (A, B, or C.)

☒ A. This statement is submitted under 37 CFR 1.97(b) within any one of the following time periods:

- (1) Within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
- (2) Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;
- (3) Before the mailing of a first Office action on the merits; or
- (4) Before the mailing of a first Office action after filing of a request for continued examination under § 1.114.

No fee, petition or certification is required.

U.S. Appln. No. 10/824,032 -- 2

☐ B. This statement is submitted under 37 CFR § 1.97(c) after the period specified in paragraph A, but before the mailing date of a Final Office Action or Notice of Allowance.

CHECK ONE: (1, 2, or 3)

☐ 1. I certify that each item of information contained in the attached material was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

☐ 2. I certify that no item of information contained in the attached material was cited in a communication from a foreign patent office in a counterpart foreign application, and to my knowledge, after making reasonable inquiry, no item of information contained in the attached material was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this Statement; or

☐ 3. Charge a petition fee set forth in § 1.17(p) to General Motors Deposit Account No. 07-0960.

☐ C. This statement is submitted under 37 CFR § 1.97(d) after a Final Office Action or Notice of Allowance, but on or before payment of the issue fee. Charge a petition fee as set forth in § 1.17(p) to General Motors Deposit Account No. 07-0960.

CHECK ONE: (1 or 2)

☐ 1. I certify that each item of information contained in the attached material was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement; or

☐ 2. I certify that no item of information contained in the attached material was cited in a communication from a foreign patent office in a counterpart foreign application, and to my knowledge, after making reasonable inquiry, no item of information contained in the attached material was known to any individual designated in 37 CFR § 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



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Telephone 313-665-4709

Enc: PTO 1449 (& attachments)

Page 1 of 1

OMB No. 0651-0011(12/31/86)

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by: General Motors Corporation	Atty. Docket No. GP-303446	Application No. 10/824,032
	Applicant: Chunxin Ji et al.	
	Filing Date: April 14, 2004	Art Unit: 1753

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U.S. PATENT DOCUMENTS				
Examiners Initials	Document Number	Date	Name	Classification Class/Subclass
	5,104,497	04-1992	Tetzlaff et al.	204/59
	6,395,325	05-2002	Hedge et al.	427/2.11
	US 2003/0068544	04-2003	Cisar et al.	429/40
	US 2004/0137311	07-2004	Mathias et al.	429/44

FOREIGN PATENT DOCUMENTS					
Examiners Initials	Document Number	Date	Country	Classification Class/Subclass	Translation Yes No

NON-PATENT DOCUMENTS	
Examiners Initials	Include as applicable: Author, Title, Date, Publisher, Edition/Volume, Pertinent Pages
	International Search Report dated 17 July 2006 for Appln. No. PCT/US05/02851 filed 02 February 2005 corresponding to this application.

Examiner:	Date Considered:
<p>* Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.</p>	

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/02851

A. CLASSIFICATION OF SUBJECT MATTER

IPC: B05D 3/02(2006.01), 5/00(2006.01), H01M 4/88(2006.01), 4/96(2006.01), 8/00(2006.01)

USPC: 427/243, 272, 277, 282, 288, 355, 391, 429/34, 44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S.: 427/243, 272, 277, 282, 288, 355, 391, 429/34, 44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, search terms: fuel cell, gas diffusion layer, hydrophobic, pattern, stencil, mask, carbon fiber paper, fluorocarbon

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,395,325 B1 (HEDGE et al) 28 May 2002 (28.05.2002), column 12, lines 47-63 and column 13, lines 10-19.	1, 4-6, 20, 36
Y		7-8, 22-27
Y, P	US 2004/0137311 A1 (MATHIAS et al) 15 July 2004 (15.07.2004), paragraphs [0031]-[0035].	19, 31-35
Y	US 5,104,497 A (TETZLAFF et al) 14 April 1992 (14.04.1992), column 7, line 54 to column 8, line 17.	31-35
A	US 2003/0068544 A1 (CISAR et al) 10 April 2003 (10.04.2003), paragraphs [0043]-[0044].	1-36
A	EP 0846347 B1 (BALLARD POWER SYSTEMS INC.) 07 June 2000 (07.06.2000), entire reference.	1-26

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

21 June 2006 (21.06.2006)

Date of mailing of the international search report

17 JUL 2006

Name and mailing address of the ISA/US

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Form PCT ISA/210 (second sheet) (April 2005)